

# Product Data Sheet

## Recombinant Human PADI4 Protein

| Catalog #                 | Source                                                                                                                                                    | Reactivity | Applications |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|
| CST2285                   | E. coli                                                                                                                                                   | H          |              |
| <b>Description</b>        | Recombinant Human PADI4 Protein is produced by E. coli expression system and the target gene encoding Arg131-Lys210 is expressed with C-terminus His tag. |            |              |
| <b>Form</b>               | Liquid in a 0.2 µm filtered solution of PBS, pH 7.4.                                                                                                      |            |              |
| <b>Gene Symbol</b>        | PADI4                                                                                                                                                     |            |              |
| <b>Alternative Names</b>  | PADI5; PDI5; Protein-arginine deiminase type-4; HL-60 PAD; Peptidylarginine deiminase IV; Protein-arginine deiminase type IV                              |            |              |
| <b>Entrez Gene</b>        | 23569                                                                                                                                                     |            |              |
| <b>SwissProt</b>          | Q9UM07                                                                                                                                                    |            |              |
| <b>Purity</b>             |                                                                                                                                                           |            |              |
| <b>Chemical Structure</b> | RAVKDQRTWT WGPCGQGAIL LVNCDRDNLE SSAMDCEDDE VLDSEDLQDM<br>SLMTLSTKTP KDFFTNHTLV LHVARSEMDK                                                                |            |              |
| <b>Quality Control</b>    |                                                                                                                                                           |            |              |
| <b>Directions for Use</b> | Always centrifuge tubes before opening. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.                                         |            |              |
| <b>Storage/Stability</b>  | Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.          |            |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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